

Name _____
Class: _____

Date _____ Per _____
Teacher: _____

SHENENDEHOWA HIGH SCHOOL SCIENCE

LABORATORY SAFETY CONTRACT

General Safety Rules

1. Be prepared for lab activities when you arrive. Read the lab ahead of time and familiarize yourself with the procedures.
2. Do not eat or drink in the classroom and never eat or drink from lab equipment. Do not smell any chemicals or lab materials (unless told to do so by your teacher).
3. Perform only lab activities assigned and explained by your teacher. Never work with unauthorized materials.
4. Report all accidents or unusual occurrences to your teacher immediately.
5. Know where to **leave the classroom** in case of an emergency (fire exit route & rescue window). Look around the room or ask your teacher and list the location of the following emergency exits for your science classroom:
Fire Exit Route: (i.e. stairway, exit) _____

Rescue Window: _____
6. Know the location of **emergency equipment** (eyewash, shower, fire extinguisher, fire blanket, & fire alarm). Look around the room or ask your teacher and list the location of the nearest emergency equipment for your science classroom:
Eyewash: _____

Shower: _____

Fire Extinguisher: _____

Fire Blanket: _____

Fire Alarm: _____
7. Do not remove any chemicals, lab equipment, supplies, or specimen from the classroom. Handle all lab materials carefully so they remain in good condition. Never return chemicals to a stock bottle.

8. Keep lab areas clean and free of clutter – close cabinet doors when not in use, clean up spills (after notifying teacher), clean up after lab as instructed. Put tops back on bottles/containers when done to avoid spills. Keep aisles clear of bags and books.
9. Do not leave a laboratory experiment unattended (especially those involving heating or chemical reactions). For example, when using a Bunsen burner or heating something, all members of the group should remain with the experiment even if the bell rings signifying a break.
10. No horseplay in the laboratory classroom.

Personal Safety Rules

11. **Medical Problems:** In advance of the lab, inform your teacher about any medical problems that may affect your safety during lab (including allergies, asthma, epilepsy, & heart conditions).
12. **Attire:** Wear clothing that will not get in the way during lab (sleeves rolled up, remove dangling jewelry). Do not wear open toe shoes when handling chemicals or heating fluids. **Shoes need to completely cover feet. Bring a change of shoes for lab if necessary.** Tie long hair back.
13. **Hand Washing:** Wash your hands with soap and water after performing experiments.
14. **Contact Lenses:** Do not wear contacts when doing lab investigations that require the use of volatile liquids (like acetone). Wear glasses instead of contact lenses.

Lab Safety Procedures

15. **Safety Goggles:** Wear protective goggles during any activity involving flames, heating substances, use of hazardous chemicals and whenever else your teacher advises it. Goggles should be worn even if you wear glasses and they should be kept on during the entire activity as advised by your teacher.
16. **Safety Clothing:** Wear protective clothing including gloves and/or lab aprons as advised by your teacher.
17. **Heat/Fire Safety:** Tie hair back, roll up sleeves and remove jewelry & clothing that may get in the way. Keep flammable substances away from any hot plate or burner. When heating a test tube, point the open end away from you and others. Do not heat material in a stoppered tube. Use tongs to handle hot glassware. Do not look into the top of a tube being heated. If you get burned, report the incident to the teacher.

18. **Corrosive/Poisonous Substances:** Avoid letting any corrosive or poisonous substances touch your skin, eyes, or clothing. Wear protective clothing and goggles. Do not inhale vapors. Never smell or taste chemicals or other lab materials. If a corrosive spills on you, immediately rinse skin under cool running water for 20 minutes and report the incident to the teacher.
19. **Glass Heating & Breakage:** Handle breakable equipment (like glassware) carefully. Do not use cracked or damaged glassware. Do not heat empty glassware. Never leave glassware unattended while heating. Place hot glassware on an insulated surface. Report any broken glass to your teacher and throw away broken glass in a special container identified by your teacher. If you get cut, press gauze or paper towel to the injury until bleeding stops then clean with soapy water and apply a dressing. Report injuries to the teacher immediately.
20. **Dangerous Vapors:** Never directly inhale any lab vapors or lab chemicals. If you begin to feel weak, get dizzy, or get a headache, report it to the teacher and move away from the source.
21. **Plant Safety:** Never eat any part of a plant or fungus used in a laboratory investigation. Do not touch parts of a plant that may be harmful like cacti needles or thorns on a vine.
22. **Animal Safety & Welfare:** Handle animals in the ways advised by your teacher. Treat them gently and do not overstress them. Follow the directions in the lab and do not do any additional experiments without your teacher's permission.
23. **Dissection Safety:** Dissect specimen in a pan (never while holding). Pin down specimen before beginning work. Direct sharp edges away from yourself and others. Do not touch dissecting tool sharp parts to your skin. Use scissors instead of a scalpel or razor blade whenever possible. If you are cut, report it to the teacher. Never taste any parts of a specimen or remove them from the classroom. Only dissect according to the lab's directions.
24. **Hazardous Waste Disposal:** Dispose of hazardous materials as advised by your teacher.
25. **Biohazard:** Assume that microorganisms, like bacteria, might be harmful. Avoid direct contact with a bacteria culture and wash your hands after handling them. If a classmate gets cut, do not touch his/her blood.
26. **Electrical Shock:** Disconnect all electrical equipment when not in use. Do not use equipment with frayed cords. Do not put anything (other than a plug) into an electrical outlet. Do not attempt to move desks that have electrical wiring. Do not put your feet on the electrical wiring or boxes located under some student desks. Never use electrical equipment near water or other liquid unless advised by teacher to do so.

Shenendehowa High School Science Department Safety Contract

I, _____, read and understand the lab safety rules contained in the document “ **SHENENDEHOWA HIGH SCHOOL SCIENCE LABORATORY SAFETY CONTRACT**” and I agree to follow them at all times. Not following these rules will result in a disciplinary procedure. I understand that these rules are meant to:

1. Create the best possible environment for learning
2. Provide for the safety of all students and staff
3. Prevent the destruction of costly laboratory equipment and supplies..

Student Signature _____ Date _____

Parent Signature _____ Date _____